

LCN Fund Full Submission

Supplementary Answer Form

Tick if this answer is Confidential: ☐

Tick if this answer has been provided verbally: ☐

Project code:	UKPN2002	Question Number	20
Question date	03 November 2011	Answer date	15 November 2011
Submission section question relates to	SDRC		
Topic	Section 9		
Question	<p><i>"As permitted under the governance document (p44) we would like to suggest some changes to your successful delivery reward criteria:</i></p> <p><i>Can you please review all SDRC to make them more precise e.g. a number of them reference 'successful development' and 'sign off'. How will success be measured, what constitutes sign off and who will be signing it off? We would like you to state what success looks like for each of these milestones.</i></p> <p><i>9.7 Evidence: Can you improve on just making one connection offer using FPP methods. Your submission specifically quotes the 188MW of generation at the planning stage and 90MW already connected in the project area (p2). Can you commit to actually connecting a certain volume of this using FPP methods, faster and at lower cost than traditional approaches?</i></p> <p><i>9.8 General: Can you like this to the outputs do you require from the quadbooster to specifically support the aims of the trial.</i></p> <p><i>Can you please resubmit your SDRC bearing these points in mind?"</i></p>		
Notes on question			

Answer	<p data-bbox="416 241 927 275">Section 9: Successful Delivery Reward Criteria</p> <p data-bbox="416 371 1233 405">All delivery evidence will be approved by the FPP Project Steering Group.</p> <div data-bbox="408 499 1434 987"> <p data-bbox="416 506 560 539">Criterion 9.1</p> <p data-bbox="416 568 1426 786">Completion of the first phase of stakeholder engagement activities by the end of Q3 2012. This will include a stakeholder engagement report that will record the findings from the first phase of stakeholder engagement activities identifying key technical and commercial challenges to the FPP project. These findings will be shared with all the relevant stakeholders, including all GB DNOs, and will form a key input to the Strategic Investment Model and Smart Commercial Arrangements FPP project work streams.</p> <p data-bbox="416 882 560 916">Evidence 9.1</p> <p data-bbox="416 945 1350 978">Publication of a stakeholder engagement report ("Stakeholder Engagement report I")</p> </div> <div data-bbox="408 1075 1434 1664"> <p data-bbox="416 1081 560 1115">Criterion 9.2</p> <p data-bbox="416 1144 1426 1328">Development of smart commercial arrangements, which will provide a number of options that can be tested and implemented in new types of connection agreements with generation developers. These will be established in conjunction with key stakeholders. The development of smart commercial arrangements will be completed by the end of Q4 2012 in accordance with agreed specifications.</p> <p data-bbox="416 1424 560 1458">Evidence 9.2</p> <ul data-bbox="416 1487 1426 1659" style="list-style-type: none"> - Publication of a report on Principles of Access, which will determine the Principles of Access for Smart commercial arrangements - Connection agreements templates (new model forms) for actively managed generator connections, to be established in conjunction with key stakeholders. </div>
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Criterion 9.3

Full deployment of an IP communications platform across the FPP trial area to support open standards communication protocols. This will be completed by the end of Q1 2013.

Evidence 9.3

- Installation and commissioning documentation of Cable & Wireless Worldwide Multi-Service Platform (MSP) network and Silver Spring Networks Radio Frequency (RF) Mesh network in the FPP trial area and in accordance with the specification included in the contracts with the relevant partners.
- Recorded results of IEC 61850 communication trials using IEC 61850 simulators at installed locations in the FPP trial area.

Criterion 9.4

Demonstration of flexible plug and play capabilities of the overall FPP technical solution following completion of the FPP installation phase. This will be completed by the end of Q3 2013.

Evidence 9.4

- IEC 61850 certification for all relevant RTUs, IEDs and other IEC 61850 field devices.
- Installation and commissioning documentation of IEDs and other field devices necessary to support the trials and in accordance with the specification included in the contracts with the relevant partners.
- Installation and commissioning documentation of production of Smart Applications in accordance with the specification included in the contracts with the relevant partners.
- Pre-production interoperability test results for FPP's Smart Devices and Smart Applications

Criterion 9.5

Delivery of the FPP Strategic Investment Model including validation and testing of the model utilising data captured within the FPP trials. This will be completed by the end of Q4 2014.

Evidence 9.5

- Completion documentation for the Strategic Investment Model development and build phase.

	<div data-bbox="416 203 1426 344"> <ul style="list-style-type: none"> - Recorded validation and test results. - Delivery of the Strategic Network Investment model in a fully usable and external issue format. </div> <div data-bbox="416 439 1426 1050"> <p>Criterion 9.6</p> <p>Deployment of Active Power Flow Management and Active Voltage Management within the FPP trial area. This will be completed by the end of Q4 2014.</p> <p>Evidence 9.6</p> <ul style="list-style-type: none"> - Pre-production functional test results for Active Power Flow Management and Active Voltage Management applications - Installation and commissioning documentation of production Active Power Flow Management and Active Voltage Management applications in accordance with the specification included in the contracts with the relevant partners. - Suitable agreements with generators in place (if required) - Trial results for the Active Power Flow Management and Active Voltage Management trials </div> <div data-bbox="416 1144 1426 1756"> <p>Criterion 9.7</p> <p>Facilitation of faster and cheaper connection of distributed generation to the distribution network, as compared to timescales and costs of connection utilising traditional approaches. To be completed by Q4 2014.</p> <p>Evidence 9.7</p> <p>Demonstration that distributed generation connection offers are:</p> <ol style="list-style-type: none"> 1 - Cheaper; and 2 - Offer faster project connection timescales, than offers based traditional reinforcement. <p>The evidence for this criterion will be met through the provision of one connection offer to generators using the FPP methods. If during the duration of the FPP project other generators are in a position to accept a connection offer, then we will use that as evidence supporting this criterion.</p> </div>
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	<p>Criterion 9.8</p> <p>Successful deployment of a Quadrature-booster within the FPP trial area. This will be completed by Q2 2013.</p> <p>Evidence 9.8</p> <ul style="list-style-type: none"> - Installation and commissioning of a Quadrature-booster and in accordance with the specification included in the contracts with the relevant partners. - Demonstration of improved balance between the circuits allowing increased power flow of 10MW.
Attachments	
Verbal Clarifications (Consultants)	